

| Ref # | Hits | Search Query   | DBs      | Default Operator | Plurals | Time Stamp       |
|-------|------|--|----------|------------------|---------|------------------|
| L2    | 0    | ((endodontic or (root adj canal)) and (taper near (greater or larger)) and shorter).clm. | US-PGPUB | OR               | OFF     | 2006/01/18 13:06 |



# **STIC Search Report**

**EIC 3700**

**STIC Database Tracking Number: 176929**

**TO: Anthony Stashick**  
**Location: RND 9a41**  
**Art Unit: 3728**  
**Wednesday, January 18, 2006**  
  
**Case Serial Number: 08/234290**

**From: Terry Solomon**  
**Location: EIC 3700**  
**RND 8b31**  
**Phone: 272-4240**  
  
**terrance.solomon@uspto.gov**

## **Search Notes**

No current or past litigation found involving US pat. 5897316.

Sources:

Lexis/Nexis  
Questel-Orbit  
Courtlink

## Patent Search - Number: 5,897,316

No cases found.

[Return to Search](#)

(Charges for search still apply)

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234290 (08) 5897316 April 27, 1999

UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT

5897316

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[Link to Claims Section](#)

April 27, 1999

Endodontic treatment system

**REISSUE:** Reissue Application filed Apr. 26, 2001 (O.G. Sep. 4, 2001) Ex. Gp.: 3732; Re. S.N. 09/845,599, (O.G. September 4, 2001)  
March 29, 2004 - Reissue Application filed Ex. Gp.: 3732; Re. S.N. 10/811,796 (O.G. July 20, 2004)

**APPL-NO:** 234290 (08)

**FILED-DATE:** April 28, 1994

**GRANTED-DATE:** April 27, 1999

**LEGAL-REP:** Bissell, Henry M.

(C) QUESTEL 1994  
QUESTEL.ORBITE (TM) 1998

Selected file: PLUSPAT  
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Comprehensive Worldwide Patents database

**\*\* SS 1: Results 1**  
**PRT SS 1 MAX 1 LEGALALL**

1 / 1 PLUSPAT - ©QUESTEL-ORBIT - image

**Patent Number :**

US5897316 A 19990427 [US5897316]

**Title :**

(A) Endodontic treatment system

**Inventor(s) :**

(A) BUCHANAN LEONARD STEPHEN (US)

**Application Nbr :**

US23429094 19940428 [1994US-0234290]

**Priority Details :**

US23429094 19940428 [1994US-0234290]

**Intl Patent Class :**

(A) A61C-005/02

**EPO ECLA Class :**

A61C-005/02B1

**US Patent Class :**

ORIGINAL (O) : 433102000

**Document Type :**

Corresponding document

**Citations :**

USD250544; US-251598; USD283840; US1307446; US3908270; US4231738;  
US4280808; US4299571; US4332561; US4340364; US4443193; US4518356;  
US4527560; US4536159; US4538989; US4634378; US4674979; US4836780;  
US4850867; US4934934; US4971556; US5017138; US5026284; US5125838;  
US5219284; EP0257961 A; EP0501255 A; FR2597327 A; FR2617704 A; FR2647663  
A; CH291668 A; CH657981 A  
Mani Apical Reamer, Matsutani Seisakusho Co., Ltd. (four pages).

Single-Step Engine Reamer, Dental Products Report Jun., 1988 (one page).

**Publication Stage :**

(A) United States patent

**Abstract :**

An endodontic system of shaping instruments, irrigation cannulas, filling instruments and materials designed to safely create specific tapers of root canal preparations and to clean, dry, seal, and restore them. The shaping instruments are a series of reamers, files, and handpiece burs, made of stainless steel, nickel-titanium, or other alloys, which impart several different specifically-tapered apertures in root canals. The instruments have one or more safety features to eliminate perforating curved roots, including shorter flute length as the angle of taper increases and variable sharpness along the length of the flute portion, as well as variable flute pitch along the length of the flute portion to maximize cutting efficiency and resistance to breakage, and a rounded tip to eliminate ledging. The hand instruments have a handle designed to optimize use of the instruments in apically directed, rotary cutting motions. The irrigation cannulas, the condensation heat carriers, pluggers, injection needles, and backfillers, and the materials, including drying paper points, filling materials, and restorative post systems, have shapes which match the canal tapers created by the shaping instruments.

1 / 1 LGST - ©EPO

**Patent Number :**

US5897316 A 19990427 [US5897316]

**Application Number :**

US23429094 19940428 [1994US-0234290]

**Action Taken :**

20010904 US/RF-A

REISSUE APPLICATION FILED

EFFECTIVE DATE: 20010426

20040720 US/RF-A

REISSUE APPLICATION FILED

EFFECTIVE DATE: 20040329

**Update Code :**

2004-31

1 / 1 CRXX - ©CLAIMS/RRX

**Patent Number :**

5,897,316 A 19990427 [US5897316]

**Patent Assignee :**

Buchanan, Leonard Stephen

**Actions :**

20010426 REISSUE REQUESTED

ISSUE DATE OF O.G.: 20010904

REISSUE REQUEST NUMBER: 09/845599

EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 3732

Reissue Patent Number:

20040329 REISSUE REQUESTED

ISSUE DATE OF O.G.: 20040720

REISSUE REQUEST NUMBER: 10/811796

EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 3732

Reissue Patent Number:

Session finished: 18 JAN 2006 Time 21:19:19

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